**BRUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE**

**ame of Work :Construction Of U Shape Drain For Secondary SWD in Mallasandra ward No 13**

| No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Civil Work** | | | | | | | | |
| 1 | "KSRRB M2100-5.2. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. "V. Marshy soil - B. Mechanical Means MORTH Specification No. 304 **( Page No. 221/ Item No.27.13/ PWD SR 2018-19)** | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | | 1 | 156.00 | 3.80 | 1.80 | 1067.04 | | | |
| | | | | | | **1067.04** | **Cum** | **236.30** | **252141.55** |
| 2 | KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. **(I No-2.15, P No-7 PWD SR 2018-19)** | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | | 1 | 156.00 | 3.80 | 0.20 | 118.56 | | | |
| | | | | | | **118.56** | **Cum** | **2574.74** | **305261.17** |
| 3 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 PWD SR 2018-19)** | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | | 1 | 156.00 | 3.80 | 0.15 | 88.92 | | | |
| | **Approach** | 1 | 6.50 | 5.50 | 0.15 | 5.36 | | | |
| | | 1 | 8.50 | 3.00 | 0.15 | 3.83 | | | |
| | | 1 | 8.00 | 2.50 | 0.15 | 3.00 | | | |
| | | | | | | **101.11** | **Cum** | **5421.90** | **548194.75** |
| | KSRRB M2200-5.12.Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - **i) Upto 5m height (P.No-227,I No-28.7.12 PWD SR 2018-19)** | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | For Drain Raft | 1 | 156.00 | 3.60 | 0.30 | 168.48 | | | |
| | For Wall | 2 | 156.00 | 0.30 | 2.30 | 215.28 | | | |
| | Top Slab | 1 | 30.00 | 3.00 | 0.25 | 22.50 | | | |
| | **Approach** | 1 | 6.50 | 5.50 | 0.15 | 5.36 | | | |
| | | 1 | 8.50 | 3.00 | 0.15 | 3.83 | | | |
| | | 1 | 8.00 | 2.50 | 0.15 | 3.00 | | | |
| | | | | | | **418.45** | **Cum** | **5640.26** | **2360152.70** |

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| No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3**( I No-4.46.2,P No-18 PWD SR 2018-19)** | | | | | | | | |
| | Consider 100kg/Cum for SWD | 1 | 418.45 | 100.00 | | 41844.75 | | | |
| | | | | | | **41.84** | **Tonne** | **75223.96** | **3147727.80** |
| 6 | KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200 **(I No-28.10, P No-229 PWD SR 2018-19)** | | | | | | | | |
| | **For SWD** | 2 | 156.00 | | 2.40 | | | | |
| | | | | | | **399.00** | **No/Mt** | **155.82** | **62172.18** |
| 7 | KSRRB M2200-9. Providing and laying of **Filter media** with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications. (I No-28.13, P No-228 PWD SR 2018-19) | | | | | | | | |
| | **For SWD** | 2 | 156.00 | 0.25 | 2.20 | 171.60 | **Cum** | **1846.52** | **316862.83** |
| 8 | Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materialscutting, bending scaffolding wherever necessary, nicely finishing the weldedjoints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting ( excluding cost of earthwork and concrete) (Page No. 262, It No. 37.2 | | | | | | | | |
| | | 128 | 3.00 | | | 384.00 | | | |
| | | | | | | **384.00** | **Mtr** | **927.72** | **356244.48** |
| 9 | Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between / the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. specification. No. KBS 37.4 PWD **(Page No. 262, It No. 37.4 of KPWD S.R 2018-19 )** | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | | 8 | 27.00 | | | 216.00 | | | |
| | | 8 | 3.00 | | | 24.00 | | | |
| | | 8 | 74.00 | | | 592.00 | | | |

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| No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | 8 | 3.00 | | | 24.00 | | | |
| | | | | | | **856.00** | **Mtr** | **440.64** | **377187.84** |
| 10 | Providing **chain link fencing 50mm size of 8 guage** properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint specification. No. KBS 37.3(Page No. 262, It No. 37.3 of KPWD S.R 2016-17 ) | | | | | | | | |
| | **For SWD** | | | | | | | | |
| | | 2 | 27.00 | | 2.55 | 137.70 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | 2 | 74.00 | | 2.55 | 377.40 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | | | | | **545.70** | **Sqm** | **772.20** | **421389.54** |
| 11 | KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. **(Page No. 121, It No. 15.73 of KPWD S.R 2018-19 )** | | | | | | | | |
| | **For SWD** | 2 | 27.00 | | 2.55 | 137.70 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | 2 | 74.00 | | 2.55 | 377.40 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | | | | | **545.70** | **Sqm** | **44.28** | **24163.60** |
| 12 | KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. **(Page No. 121, It No. 15.74 of KPWD S.R 2018-19 )** | | | | | | | | |
| | **For SWD** | 2 | 27.00 | | 2.55 | 137.70 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | 2 | 74.00 | | 2.55 | 377.40 | | | |
| | | 2 | 3.00 | | 2.55 | 15.30 | | | |
| | | | | | | **545.70** | **Sqm** | **102.60** | **55988.82** |
| 13 | KSRRB M2100 Back Filling of abutments using wing wall & Returns KSRRB M2100-7. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. VI. Backfilling in Marshy Foundation Pits." MORTH Specification No. 304 **(Page No.221, It No.27.15 of KPWD S.R 2018-19 )** | | | | | | | | |
| | **For SWD** | 2 | 156.00 | 0.60 | 2.20 | 411.84 | | | |
| | | | | | | **411.84** | **Cum** | **369.94** | **152356.09** |
| | | | | | | | | **Total Construction Cost** | **8379843.35** |
| | | | | | | | | **GST Charges 12%** | **1005581.20** |

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| Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Sub Total | 9432931.05 |
| 1.5% PMC | | | | | 1.5% | Towords DPR And PMC cost | | 141493.97 |
| KRIDL 4.5% | | | | | | KRIDL Charges 4.5% | | 424481.90 |
| Rounding off | | | | | | Utility Shifting,Miscellaneous and Rounding off | | 1093.09 |
| GRAND TOTAL | | | | | | | GRAND TOTAL | 10000000.00 |

Sub-total : 9385424.56
1,92,000.00
4,22,344.11
231.34
1,00,00,000 =00.

**tificate**

The workspot was inspected and works is found to be necessary.
The area comes within the Bruhat Bangalore Mahanagara Palike limits.
The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Project division,Dasrahalli
BBMP Bangalore

Asst. Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

ನಂ: AS/016/2018-19 ದಿನಾಂಕ: 23-02-2019
ರೂ: 1,00,00,000/-
• hundred lakhs only.
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ನಂ. CE/D2/TS/197/18-19 ದಿನಾಂಕ : 26/02/2019
ರೂ. 100.00 lakhs/- (Rs. Hundred lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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